# SRD-1650D/DC

16CH, H.264, 120fps @ D1, DVD

## Summary

Providing broadest range of features, including the most robust H.264 compression method , up to 10TB of massive storage capacity inside, audio recording, diverse search methods, and DVR-to-Client architecture, Samsung's SRD offers optimum performance for digital video recording solution.

## Features

- 16ch real-time DVR
- Video (H.264) / Audio (ADPCM)
- Up to 480 FPS recording rate
- Up to 16ch audio inputs and 1ch audio outputs
- Combined BNC and VGA/HDMI video output for main display
- SRD-1650D/DC: Max 5 internal HDD (HDD x 5)
- HDD & DVD SATA interface
- DDNS
- Built-in web viewer
- DVD-RW
- Event notifications by E-mail
- Up the Coax support (SRD-1650DC)

## H.264

Using the H.264 standard for video compression, SAMSUNG cameras capture exceptionally crisp motion while cutting the file size by up to 50%. This means saving money on storage without sacrificing in video quality.

H.264 Standard

## Full D1 Real-time Frame Rate

120 frame/sec @ D1 Resolution

Competition



SRD-1650D/DC

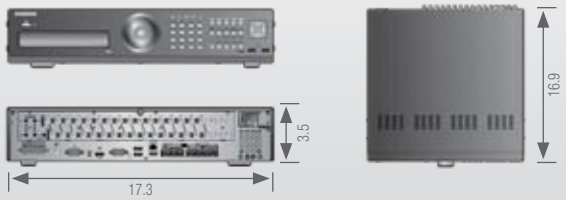
# SRD-1650D/DC

16CH, H.264, 120fps @ D1, DVD

## Specifications

| | | |
|---|---|---|
| Video | Inputs | 16 composite video 0.5–1 Vpp, 75 ohm automatic termination |
| | Resolution | 704x480 NTSC |
| Live | Frame rate | 480FPS NTSC |
| | Resolution | 704x480 NTSC |
| | Multi Screen display | 1/4/6/8/9/13/16/PIP |
| **Performance** | | |
| Operating System | Embedded | Linux |
| Recording | Compression | H.264 |
| | Record Rate/NTSC | Up to 120FPS @ 704x480 |
| | | Up to 240FPS @ 704x240 |
| | | Up to 480FPS @ 352x240 |
| | Mode/NTSC | Manual, Schedule (Continuous/Event), Event(Pre/Post), Time lapse (0.9/1.9/3.8/7.5/15 FPS) |
| | Mode/PAL | Manual, Schedule (Continuous/Event), Event(Pre/Post), Time lapse (0.8/1.6/3.1/6.2/12.5 FPS) |
| | Overwrite modes | Continuous |
| | Pre-alarm | Up to 30 sec. (5,10,20,30 Sec) |
| | Post-Alarm | Up to 6 hour. (5,10,20,30 sec,1,3,5,10,20 min,1,2,3,4,5,6hour) |
| Search & Playback | Search mode | Date/time, Event, Back up, Pos, Motion (*All Search Included Prview Function) |
| | Playback function | Fast Forward/Backward , Slow Forward/Backward , Step Forward/Backward |
| Network | Transmission speed | Up to (15)Mbps, Unlimited(4M)/2/1.5/1 Mbps/800/600/500/400/300/200/100/50 kbps |
| | Bandwidth control | Automatic |
| | Multi Stream | H.264(4CIF/CIF) |
| | Remote users Maximum | Search(3)/Live Unicast(10)/Live Multicast(20) |
| | Protocol support | TCP/IP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP |
| | Monitoring | Net-I Viewer, SVM-S1, Smart viewer, Webviewer |
| Storage | Internal HDD | Max 5 internal HDD (HDD x 5) |
| | External HDD | Up to 2 expansion bay(up to 4 HDD each) |
| | DVD Writer (Back-up) | YES |
| | USB (Back-up) | 3 USB Ports |
| | File Format (Back-up) | AVI, MDB(DVR Play back), EXE(Include Player) |
| Security | Password Protection | 1Admin, 10 Group , 20 User per 1 Group, User can be assigned authority for function |
| | Data Authentication | Watermark |
| **Interface** | | |
| Monitors | VGA | Analog RGB 800x600, 1024x768, 1280x1024 resolution |
| | HDMI | 480p/720p/1080p resolution |
| | Main Composite | BNC, 1 Vp-p, 75 ohm |
| | Spot Composite | 1BNC, 1 Vp-p, 75 ohm , support Multi screen and camera title |
| | Loop Outputs | 16 |
| Audio | Inputs | 16 line in (Built in 4CH, Option : Audio Extension Cable) |
| | Output | 1 line |
| | Compression | ADPCM |
| | Sampling rate | 16KHz |
| Alarm | Inputs | Terminal 16 inputs, NO/NC |
| | Outputs | Terminal 4 relay outputs, NO/NC |
| | Remote notification | Notification via e-mail |
| Connections | Ethernet | 1 RJ45 10/100/1000 Base-T |
| | Serial interface | RS-232 |
| | PTZ control interface | RS-485 |
| | PTZ Keyboard | RS-485 |
| | USB | USB 2.0, 3 ports |
| | e-SATA | 2 External SATA ports |
| | Application Supoort | Mouse, Remote Controller |
| Dome Protocols | Supported PTZ cameras | Samsung-E/ Samsung-T/ Pelco-D/ Pelco-p/Panasonic/ Phillips/ AD/ DIAMOND/ ERNA/ KALATEL/ VCL TP/VICON |
| **General** | | |
| Electrical | Input Voltage | 100 to 240 VAC ±10%; 50/60 Hz, Autoranging |
| | Power consumption | Max. 55 W (with 1x HDD) |
| | | Max. 65W (with 2x HDD) |
| Environmental | Operating Temperature | +32°F to +104°F (+0°C to +40°C) |
| | Humidity | 20%RH to 85%RH |
| Mechanical | Dimensions (W x H x D) | 17.3 x 3.5 x 16.9 in (440 x 88 x 430 mm) |
| | Weight (2x hard disks) | Approx. 16.1 lb (7.5 kg) |
| | Rack mount kit | 2 EA |
| Lauguage | | English, Spanish, French, German, Italian, Polish, Portuguese, Russian, Turkish, Japanese, Czech, Swedish,Danish, Korean, Chinese,Netherlands |

## Dimensions (unit : in) Front/Rear Panel




## Certifications

SRD-1650D/DC

SAMSUNG

# High Quality

## 16CH/8CH H.264 DVR

16CH/8CH CIF Real-time H.264 Digital Video Recorder

# SRD-1652D/852D

- 16CH/8CH real-time DVR
- Video (H.264) / Audio (ADPCM)
- Up to 480 (NTSC) / 400 (PAL)fps recording rate : SRD-1652D
  240 (NTSC) / 200 (PAL)fps recording rate : SRD-852D
- Up to 16CH audio inputs and 1CH audio output : SRD-1652D
  8CH audio inputs and 1CH audio output : SRD-852D
- Combined BNC and VGA video output for main display
- Max 4 internal HDD (HDD x 4)
- HDD & DVD SATA interface, DDNS
- Support for smart phone(Android, i-Phone)
- Built-in DVD-RW

16CH/8CH CIF Real-time H.264 Digital Video Recorder

# SRD-1652D/852D

16CH/8CH | H.264 | 480fps(N) 400fps(P) | 240fps(N) 200fps(P) | CMS | Smart Phone

SRD-1652D

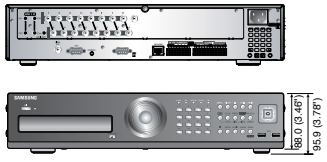
SRD-852D

## Specifications

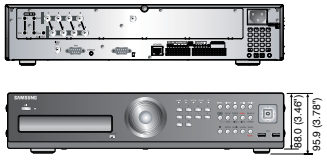
| | | SRD-1652D | SRD-852D |
|---|---|---|---|
| **DISPLAY** | | | |
| Video | Inputs | 16 Composite video 0.5-1 Vp-p | 8 Composite video 0.5-1 Vpp |
| | Resolution | NTSC : 704 x 480 / PAL : 704 x 576 | |
| Live | Frame Rate | NTSC : 480fps / PAL : 400fps | NTSC : 240fps / PAL : 200fps |
| | Resolution | NTSC : 704 x 480 / PAL : 704 x 576 | |
| | Multi Screen Display | 1 / 4 / 6 / 8 / 9 / 13 / 16 / PIP | 1 / 4 / 6 / 8 / 9 / 13 / PIP |
| **PERFORMANCE** | | | |
| Operating System | Embedded | Linux | |
| Recording | Compression | H.264 | |
| | Record Rate | NTSC : Up to 120fps@704 x 480<br>NTSC : Up to 240fps@704 x 240<br>NTSC : Up to 480fps@352 x 240 | NTSC : Up to 60fps@704 x 480<br>NTSC : Up to 120fps@704 x 240<br>NTSC : Up to 240fps@352 x 240 |
| | | PAL : Up to 100fps@704 x 576<br>PAL : Up to 200fps@704 x 288<br>PAL : Up to 400fps@352 x 288 | PAL : Up to 50fps@704 x 576<br>PAL : Up to 100fps@704 x 288<br>PAL : Up to 200fps@352 x 288 |
| | Mode | NTSC : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.9 / 1.9 / 3.8 / 7.5 / 15 / 30fps)<br>PAL : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.8 / 1.6 / 3.1 / 6.2 / 12.5 / 25fps) | |
| | Overwrite Modes | Continuous | |
| | Pre-alarm | Up to 5sec | |
| | Post-alarm | Up to 6hour (5,10, 20, 30sec, 1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour) | |
| Search & Playback | Search Mode | Date/Time, Event, Back up, Pos, Motion (*All search mode include preview function) | |
| | Playback Function | Fast forward / backward, Slow forward / backward, Step forward / backward | |
| Network | Transmission Speed | CIF 120/100fps | |
| | Bandwidth | Up to 8Mbps, Unlimited (8M) / 2 / 1.5 / 1Mbps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50kbps | |
| | Bandwidth Control | Selectable | |
| | Stream | H.264 (4CIF / 2CIF / CIF selectable) | |
| | Max. Remote Users | Search 3 / Live unicast 10 / Live multicast 20 | |
| | Protocol Support | TCP/IP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP | |
| | Monitoring | NET-i viewer, SmartViewer, Webviewer | |
| Smart Phone | Smart Phone | Android, i-Phone | |
| | Protocol Support | RTSP/RTP (UDP), CGI, HTTP | |
| | Transmission Speed | Wi-Fi : CIF Max. 4fps (Single channel) / CIF Max. 4fps (Quad channel)<br>3G : CIF Max. 4fps (Single channel) / CIF Max. 4fps (Quad channel) | |
| | Max. Remote Users | Live 1 | |
| Storage | Internal HDD | Up to 4 SATA HDDs | |
| | DVD Writer (Back up) | Yes | |
| | USB (Back up) | 2 USB ports | |
| | File Format (Back up) | AVI, BU (DVR player), EXE (Include player) | |
| Security | Password Protection | 1 Admin, 10 Group, 20 User per 1 group, User can be assigned authority for function | |
| | Data Authentication | Watermark | |
| **INTERFACE** | | | |
| Monitors | VGA | 1 VGA (800 x 600, 1024 x 768, 1280 x 1024) | |
| | Main Composite | 1 BNC, 1.0 Vp-p, 75 ohm | |
| | Spot Composite | Analogue spot (1 BNC, 1 Vp-p, 75 ohm) | |
| Audio | Inputs / Output | 4 Line in (Built-in 4CH, RCA / 1CH line out (RCA) | |
| | Compression | ADPCM | |
| | Sampling Rate | 16KHz | |
| Alarm | Inputs / Output | Terminal 16 inputs (NO/NC),Terminal 1 inputs (Alarm Reset), Terminal 4 relay outputs (NO/NC), Rating : 24V DC / 1A, 125V AC / 0.5A | Terminal 8 inputs (NO/NC),Terminal 1 inputs (Alarm Reset), Terminal 4 relay outputs (NO/NC), Rating : 24V DC / 1A, 125V AC / 0.5A |
| | Remote Notification | Notification via e-mail | |
| Connections | Ethernet | 1 RJ-45 10/100/1000 Base-T | |
| | Serial Interface | RS-232/RS-485 for PTZ, Samsung system keyboard | |
| | USB | USB 2.0, 2 ports (Front) | |
| | Application Support | Mouse, Remote controller | |
| | Protocol Support | Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, Vicon | |
| **GENERAL** | | | |
| Electrical | Input Voltage / Current | 100 ~ 240V AC ±10%, 50/60Hz, Autoranging | |
| | Power Consumption | Max. 60W (With 1x HDD) | |
| Environmental | Operating Temperature / Humidity | +0°C ~ +40°C (+32°F ~ +104°F) / 20% ~ 85% RH | |
| Mechanical | Dimensions (WxHxD) | 440.0 x 88.0 x 426.8mm (17.32" x 3.46" x 16.80") | |
| | Weight (With hard disks) | Approx. 7.5Kg (16.53 lb) | |
| | Rack Mount Kit | 2ea | |
| Language | | Korean, Japanese, Chinese, English, French, German, Spanish, Italian, Russian, Polish, Czech, Turkish, Netherlands, Portuguese, Swedish, Danish, Thailandais, Rumanian, Serbian, Croatian, Hungarian, Greek (22 Language) | |

## Dimensions

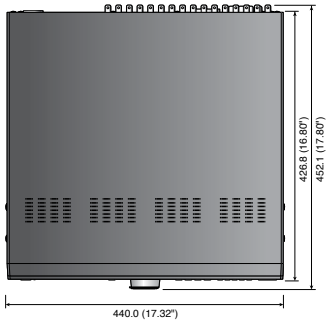
Unit : mm (inch)




SRD-1652D




SRD-852D

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# Compact & Highly Efficient

## 16CH/8CH H.264 Digital Video Recorder

### 16CH/8CH CIF Real-time H.264 Digital Video Recorder

# SRD-1640/840

The SRD-1640/840 is 8CH/16CH standalone DVR featuring the ability to record high quality CIF video in real time across all channels, as well as 4 channel audio recording, whilst there is the option to record up to 4CIF over selected channels. Each channel's settings for recording quality and privacy masking can be configured separately. In addition, it provides versatile options for web access and remote monitoring using a PC or smartphone, making anytime, anywhere monitoring possible.

- 16CH/8CH CIF real-time DVR
- CIF resolution real-time recording capability (4CIF recording available)
- Compact product footprint
- Up to 480 (NTSC) / 400 (PAL)fps recording rate : SRD-1640
  240 (NTSC) / 200 (PAL)fps recording rate : SRD-840
- 4CH audio inputs and 1CH audio output
- SATA I/F HDD support (Internal Max. HDD x 1)
- Smart phone support

16CH/8CH CIF Real-time H.264 Digital Video Recorder

# SRD-1640/840

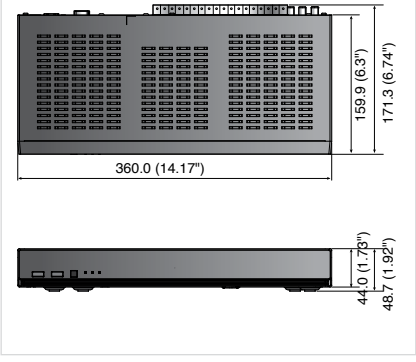
16CH | 8CH | H.264 | CMS

## Specifications

| | | SRD-1640 | SRD-840 |
|---|---|---|---|
| DISPLAY | | | |
| Video | Inputs | 16 composite video 0.5–1 Vpp, 75 ohm | 8 composite video 0.5–1 Vpp, 75 ohm |
| | Resolution | 704 x 480 NTSC, 704 x 576 PAL | |
| Live | Frame Rate | 480fps NTSC, 400fps PAL | 240fps NTSC, 200fps PAL |
| | Resolution | 704 x 480 NTSC, 704 x 576 PAL | |
| | Multi Screen Display | 1 / 4 / 6 / 8 / 9 / 16 / SEQUENCE / PIP | 1 / 4 / 6 / 8 / SEQUENCE / PIP |
| PERFORMANCE | | | |
| Operating System | Embedded | Linux | |
| Recording | Compression | H.264 | |
| | Record Rate (NTSC) | Up to 120fps @ 704 x 480<br>Up to 240fps @ 704 x 240<br>Up to 480fps @ 352 x 240 | Up to 60fps @ 704 x 480<br>Up to 120fps @ 704 x 240<br>Up to 240fps @ 352 x 240U |
| | Record Rate (PAL) | Up to 100fps @ 704 x 576<br>Up to 200fps @ 704 x 288<br>Up to 400fps @ 352 x 288 | Up to 50fps @ 704 x 576<br>Up to 100fps @ 704 x 288<br>Up to 200fps @ 352 x 288 |
| | Mode | NTSC : Manual, Schedule (Continuous/Event), Event (Pre/Post)<br>PAL : Manual, Schedule (Continuous/Event), Event (Pre/Post) | |
| | Overwrite Modes | Continuous | |
| | Pre-alarm | Up to 5sec (1, 2, 3, 4, 5sec) | |
| | Post-alarm | Up to 6 hour (5,10, 20, 30sec,1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour) | |
| Search & Playback | Search Mode | Date/time, Event, Back up, Motion, POS | |
| | Playback Function | Fast forward / backward (2x, 4x, 8x, 16x, 32x, 64x) *Backward play with I-frame only<br>Slow forward / backward (1/2x, 1/4x, 1/8x)<br>Step forward / backward (2x, 4x, 8x, 16x, 32x, 64x) *Backward play with I-frame only | |
| Network (IPv4) | Transmission Speed | CIF 120/100fps | |
| | Bandwidth | Up to 4Mbps, Unlimited (4M) / 2 / 1.5 / 1Mbps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50kbps | |
| | Bandwidth Control | Automatic | |
| | Stream | H.264 (CIF) | |
| | Max. Remote Users | 4 Persons (Search up to (2), Live Unicast/Live Multicast available) | |
| | Protocol Support | TCP/IP,DHCP,PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP | |
| | Monitoring | Webviewer, CMS (Smart viewer, NET-i) | |
| Smart Phone | Platform | Android, iOS | |
| | Protocol support | RTP,RTSP, HTTP, CGI | |
| | Remote users Maximum | Live(1) | |
| Storage | Internal HDD | Up to 1 SATA HDDs | |
| | USB (Back-up) | 2 USB Ports | |
| | File Format (Back-up) | BU (DVR Player), EXE (Include Player) | |
| Security | Password Protection | 1 Admin, 10 Group, 10 User per 1 Group | |
| | Data Authentication | Watermark | |
| INTERFACE | | | |
| Monitors | VGA | 1 VGA (1024 x 768) *Main Composite Selectable | |
| | HDMI | Not Support | |
| | Main/Spot Composite | 1 BNC (1 Vp-p, 75 ohm)/Analog Spot (1 BNC, 1 Vp-p, 75 ohm) Selectable | |
| | Spot Composite | Analog Spot (1 BNC, 1 Vp-p, 75 ohm) | |
| | Loop Outputs | Not Support | |
| Audio | Inputs / Output | 4 line in / 1 line out | |
| | Compression | G.711 | |
| | Sampling Rate | 8KHz | |
| Alarm | Inputs / Output | Terminal 16 inputs (NO/NC) / Terminal 2 relay outputs (NO/NC), Rating : 24VDC/1A, 125V AC/0.5A | Terminal 8 inputs (NO/NC) / Terminal 2 relay outputs (NO/NC), Rating : 24VDC/1A, 125V AC/0.5A |
| | Remote Notification | Notification via e-mail | |
| Connections | Ethernet | 1 RJ45 10/100 Base-T | |
| | Serial Interface | RS-485(Half) for PTZ, System Keyboard *Support for POS Interface (VSI-Pro) | |
| | USB | USB 2.0, 2 ports (Front) | |
| | Application Support | Mouse, Remote Controller | |
| | Protocol Support | Samsung-E/ Samsung-T/ Pelco-D/ Pelco-p/Panasonic/ Phillips/ AD/ DIAMOND/ ERNA/ KALATEL/ VCL TP/VICON/ ELMO | |
| GENERAL | | | |
| Electrical | Input Voltage / Current | DC12V Adaptor,4A,100~250VAC, 50~60Hz, 36watt | |
| | Power Consumption | Normal 15W (with 1x HDD) | |
| Environmental | Operating Temperature / Humidity | +0°C ~ +40°C (+32°F ~ +104°F) / 20%RH ~ 85%RH | |
| Mechanical | Dimensions (WxHxD) | 360 x 44 x 159.9 mm (14.17" x 1.73" x 6.30") | |
| | Weight (With hard disks) | 1.72kg (3.79lb) | 1.68kg (3.70lb) |
| | RACK MOUNT KIT | Not Support | |
| Language | | Korean, Japanese, Chinese, English, French, German, Spanish, Italian, Russian, Polish, Czech, Turkish, Netherlands, Portuguese, Swedish, Danish, Thai, Rumanian, Serbian, Croatian, Hungarian, Greek (22 Language) | |

## Dimensions

Unit : mm (inch)

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# High Definition &
# Easy Graphical User Interface

## 16Ch H.264 Real-time DVR

### 16CH H.264 Digital Video Recorder

# SRD-1670/1670D/1670DC

- 16ch 4CIF real-time DVR
- Video (H.264) / Audio (ADPCM)
- Up to 480 (NTSC) / 400 (PAL)ips recording rate
- Up to 16ch audio inputs and 1ch audio outputs
- Combined BNC and VGA/HDMI video output for main display
- SRD-1670 : Max 6 internal HDD (HDD x 6)
  SRD-1670D : Max 5 internal HDD (HDD x 5)
- HDD & DVD SATA interface , DDNS
- Built-in web viewer, DVD-RW (SRD-1670D)
- PTZ control via Coaxial cable (SRD-1670DC)

16CH H.264 Digital Video Recorder

# SRD-1670/1670D/1670DC

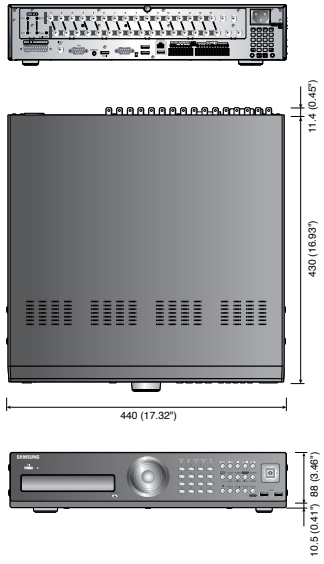
16CH | H.264 | 480ips(N) 400ips(P) | Max.6TB HDD | CMS

## Specifications

| | | SRD-1670 | SRD-1670D | SRD-1670DC |
|---|---|---|---|---|
| DISPLAY | | | | |
| Video | Inputs | 16 Composite video 0.5-1 Vpp, 75 ohm automatic termination | | |
| | Resolution | NTSC : 704 x 480 / PAL : 704 x 576 | | |
| Live | Frame Rate | NTSC : 480ips / PAL : 400ips | | |
| | Resolution | NTSC : 704 x 480 / PAL : 704 x 576 | | |
| | Multi Screen Display | 1 / 4 / 6 / 8 / 9 / 13 / 16 / PIP | | |
| PERFORMANCE | | | | |
| Operating System | Embedded | Linux | | |
| Recording | Compression | H.264 | | |
| | Record Rate | NTSC : Up to 480ips@704 x 480 / PAL : Up to 400ips@704 x 576<br>NTSC : Up to 480ips@704 x 240 / PAL : Up to 400ips@704 x 288<br>NTSC : Up to 480ips@352 x 240 / PAL : Up to 400ips@352 x 288 | | |
| | Mode | NTSC : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.9 / 1.9 / 3.8 / 7.5 / 15 / 30ips)<br>PAL : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.8 / 1.6 / 3.1 / 6.2 / 12.5 / 25ips) | | |
| | Overwrite Modes | Continuous | | |
| | Pre-alarm | Up to 30sec. (5, 10, 20, 30sec.) | | |
| | Post-alarm | Up to 6hour. (5, 10, 20, 30sec, 1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour) | | |
| Search & Playback | Search Mode | Date/Time, Event, Back up, Pos, Motion (*All searching mode include prview function) | | |
| | Playback Function | Fast forward / backward, Slow forward / backward, Step forward / backward | | |
| Network | Transmission Speed | Up to 15 Mbps, Unlimited (4M) / 2 / 1.5 / 1 Mbps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50 kbps | | |
| | Bandwidth Control | Automatic | | |
| | Multi Stream | H.264 (4CIF / 2CIF / CIF) | | |
| | Max. Remote Users | Search 3 / Live unicast 10 / Live multicast 20 | | |
| | Protocol Support | TCP/IP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP | | |
| | Monitoring | Net-i viewer, Smart viewer, Web viewer | | |
| Storage | Internal HDD | Up to 6 SATA HDDs | Up to 5 SATA HDDs | |
| | External HDD | Up to 2 expansion bay (up to 4 HDD each) | | |
| | DVD Writer (Back up) | N/A | Yes | |
| | USB (Back up) | 3 USB Ports | | |
| | File Format (Back up) | AVI, MDB (DVR play back), EXE (Include player) | | |
| Security | Password Protection | 1 Admin, 10 Group , 20 User per 1 Group, User can be assigned authority for function | | |
| | Data Authentication | Watermark | | |
| INTERFACE | | | | |
| Monitors | VGA | Analog RGB 800 x 600, 1024 x 768, 1280 x 1024 resolution | | |
| | HDMI | 480p / 720p / 1080p resolution | | |
| | Main Composite | BNC, 1 Vp-p, 75 ohm | | |
| | Spot Composite | 1 BNC, 1 Vp-p, 75 ohm, Support multi screen and camera title | | |
| | Loop Outputs | 16 | | |
| Audio | Inputs | 16 Line in (Built in 4ch, Option : audio extension cable) | | |
| | Output | 1 Line | | |
| | Compression | ADPCM | | |
| | Sampling Rate | 16KHz | | |
| Alarm | Inputs | Terminal 16 inputs, NO/NC | | |
| | Outputs | Terminal 4 relay outputs, NO/NC | | |
| | Remote Notification | Notification via e-mail | | |
| Connections | Ethernet | 1 RJ-45 10/100/1000 Base-T | | |
| | Serial Interface | RS-232 | | |
| | PTZ Control Interface | RS-485 | | |
| | PTZ Keyboard | RS-485 | | |
| | USB | USB 2.0, 3 ports | | |
| | eSATA | 2 External SATA ports | | |
| | Application Support | Mouse, Remote controller | | |
| | Protocol support | Samsung-E/ Samsung-T/ Pelco-D/ Pelco-p/Panasonic/ Phillips/ AD/ DIAMOND/ ERNA/ KALATEL/ VCL TP/VICON<br>* SRD-1670DC : PTZ Control via Coaxial Cable (Samsung CCVC, Coaxtron) | | |
| GENERAL | | | | |
| Electrical | Input Voltage | 100 ~ 240V AC ±10%, 50/60Hz, Auto ranging | | |
| | Power Consumption | Max. 55W (With 1x HDD) / Max. 65W (With 2x HDD) | | |
| Environmental | Operating Temperature | +0°C ~ +40°C (+32°F ~ +104°F) | | |
| | Operating Humidity | 20% ~ 85%RH | | |
| Mechanical | Dimensions (WxHxD) | 440 x 88 x 430mm (17.32" x 3.46" x 16.93") | | |
| | Weight (2x Hard Disks) | Approx. 7.5Kg (16.53 lb) | | |
| | Rack Mount Kit | 2ea | | |
| Language | | English, Korean, Spanish, French, German, Italian, Portuguese, Polish, Russian,Turkish, Japanese, Czech, Swedish, Danish, Chinese, Netherlands | | |

## Dimensions

Unit : mm (inch)




eco RoHS compliant

The Eco mark represents Samsung Techwin's will to create environment-friendly products,and indicates that the product satisfies the EU RoHS Directive.

Design and specifications are subject to change without notice.


SAMSUNG

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# DVR

## Samsung Security Solutions

Your source for Professional Video Surveillance Systems

SAMSUNG

# SRD-1650/1650D

## 16CH H.264 Digital Video Recorder

16CH | H.264 | 480ips(N) 400ips(P) | Max.6TB HDD | CMS

## Features

- 16ch real-time DVR
- Video (H.264) / Audio (ADPCM)
- Up to 480 (NTSC) / 400 (PAL)ips recording rate
- Up to 16ch audio inputs and 1ch audio outputs
- Combined BNC and VGA/HDMI video output for main display
- SRD-1650 : Max 6 internal HDD (HDD x 6)
  SRD-1650D : Max 5 internal HDD (HDD x 5)
- HDD & DVD SATA interface
- DDNS
- Built-in web viewer
- DVD-RW (SRD-1650D)
- Event notifications by E-mail

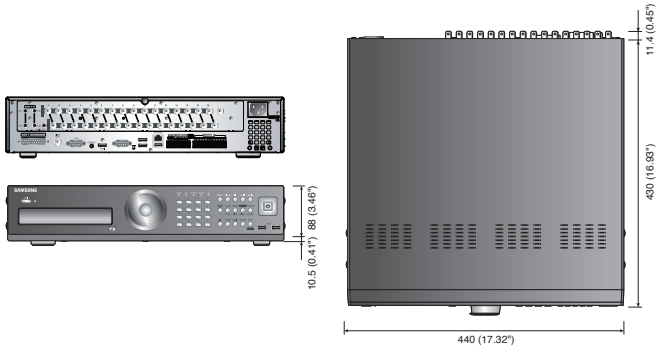
## Technical Specifications

| | | SRD-1650 | SRD-1650D |
|---|---|---|---|
| DISPLAY | | | |
| Video | Inputs | 16 Composite video 0.5-1 Vpp, 75 ohm automatic termination | |
| | Resolution | NTSC : 704 x 480 / PAL : 704 x 576 | |
| Live | Frame Rate | NTSC : 480ips / PAL : 400ips | |
| | Resolution | NTSC : 704 x 480 / PAL : 704 x 576 | |
| | Multi Screen Display | 1 / 4 / 6 / 8 / 9 / 13 / 16 / PIP | |
| PERFORMANCE | | | |
| Operating System | Embedded | Linux | |
| Recording | Compression | H.264 | |
| | Record Rate | NTSC : Up to 120ips@704 x 480 / PAL : Up to 100ips@704 x 576<br>NTSC : Up to 240ips@704 x 240 / PAL : Up to 200ips@704 x 288<br>NTSC : Up to 480ips@352 x 240 / PAL : Up to 400ips@352 x 288 | |
| | Mode | NTSC : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.9 / 1.9 / 3.8 / 7.5 / 15ips)<br>PAL : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.8 / 1.6 / 3.1 / 6.2 / 12.5ips) | |
| | Overwrite Modes | Continuous | |
| | Pre-alarm | Up to 30sec. (5, 10, 20, 30sec.) | |
| | Post-alarm | Up to 6hour. (5,10, 20, 30 sec, 1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour) | |
| Search & Playback | Search Mode | Date/Time, Event, Back up, Pos, Motion (*All searching mode include prview function) | |
| | Playback Function | Fast forward / backward, Slow forward / backward, Step forward / backward | |
| Network | Transmission Speed | Up to 15 Mbps, Unlimited 4M / 2 / 1.5 / 1 Mbps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50 kbps | |
| | Bandwidth Control | Automatic | |
| | Multi Stream | H.264 (4CIF / 2CIF / CIF) | |
| | Max. Remote Users | Search 3 / Live unicast 10 / Live multicast 20 | |
| | Protocol Support | TCP/IP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP | |
| | Monitoring | Net-i viewer, Smart viewer, Web viewer | |
| Storage | Internal HDD | Up to 6 SATA HDDs | Up to 5 SATA HDDs |
| | External HDD | Up to 2 expansion bay (up to 4 HDD each) | |
| | DVD Writer (Back up) | N/A | Yes |
| | USB (Back up) | 3 USB ports | |
| | File Format (Back up) | AVI, MDB (DVR play back), EXE (Include player) | |
| Security | Password Protection | 1 Admin, 10 Group , 20 User per 1 Group, User can be assigned authority for function | |
| | Data Authentication | Watermark | |
| INTERFACE | | | |
| Monitors | VGA | Analog RGB 800 x 600, 1024 x 768, 1280 x 1024 resolution | |
| | HDMI | 480p / 720p / 1080p resolution | |
| | Main Composite | BNC, 1 Vp-p, 75 ohm | |
| | Spot Composite | 1 BNC, 1 Vp-p, 75 ohm, Support multi screen and camera title | |
| | Loop Outputs | 16 | |
| Audio | Inputs | 16 Line in (Built in 4ch, Option : audio extension cable) | |
| | Output | 1 Line | |
| | Compression | ADPCM | |
| | Sampling Rate | 16KHz | |
| Alarm | Inputs | Terminal 16 inputs, NO/NC | |
| | Outputs | Terminal 4 relay outputs, NO/NC | |
| | Remote Notification | Notification via e-mail | |
| Connections | Ethernet | 1 RJ-45 10/100 Base-T | |
| | Serial Interface | RS-232 | |
| | PTZ Control Interface | RS-485 | |
| | PTZ Keyboard | RS-485 | |
| | USB | USB 2.0, 3 ports | |
| | eSATA | 2 External SATA ports | |
| | Application Support | Mouse, Remote controller | |
| Communication Protocols | Supported PTZ Cameras | Samsung-E, Samsung-T, Pelco-D, Pelco-P, Panasonic, Phillips, AD DIAMOND, ERNA, KALATEL, VCLTP, VICON | |
| GENERAL | | | |
| Electrical | Input Voltage | 100 ~ 240V AC ±10%, 50/60Hz, Auto ranging | |
| | Power Consumption | Max. 55W (With 1x HDD) / Max. 65W (With 4x HDD) | |
| Environmental | Operating Temperature | +0°C ~ +40°C (+32°F ~ +104°F) | |
| | Operating Humidity | 20% ~ 85%RH | |
| Mechanical | Dimensions (WxHxD) | 440 x 88 x 430mm (17.32" x 3.46" x 16.93") | |
| | Weight (2x Hard Disks) | Approx. 7.5Kg (16.53 lb) | |
| | Rack Mount Kit | 2ea | |
| Language | | English, Korean, Spanish, French, German, Italian, Portuguese, Polish, Russian,Turkish, Japanese, Czech, Swedish, Danish, Chinese, Netherlands | |

* Design and specifications are subject to change without notice.

## Dimensions

Unit : mm (inch)



# DVR

## Samsung Security Solutions

Your source for Professional Video Surveillance Systems

SAMSUNG

# SRD-870/870D

## 8CH H.264 Digital Video Recorder

8CH | H.264 | 240ips(N) 200ips(P) | Max.6TB HDD | CMS

## Features

- 8ch 4CIF real-time DVR
- Video (H.264) / Audio (ADPCM)
- Up to 240 (NTSC) / 200 (PAL)ips recording rate
- Up to 8ch audio inputs and 1ch audio outputs
- Combined BNC and VGA/HDMI video output for main display
- SRD-870 : Max 6 internal HDD (HDD x 6)
  SRD-870D : Max 5 internal HDD (HDD x 5)
- HDD & DVD SATA interface
- DDNS
- Built-in web viewer
- DVD-RW (SRD-870D)
- Event notifications by E-mail

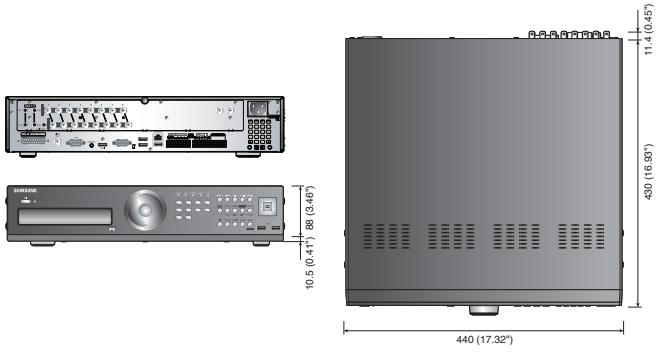
## Technical Specifications

| | | SRD-870 | SRD-870D |
|---|---|---|---|
| DISPLAY | | | |
| Video | Inputs | 8 Composite video 0.5-1 Vpp, 75 ohm automatic termination | |
| | Resolution | NTSC : 704 x 480 / PAL : 704 x 576 | |
| Live | Frame Rate | NTSC : 240ips / PAL : 200ips | |
| | Resolution | NTSC : 704 x 480 / PAL : 704 x 576 | |
| | Multi Screen Display | 1 / 4 / 6 / 8 / 9 / 13 / PIP | |
| PERFORMANCE | | | |
| Operating System | Embedded | Linux | |
| Recording | Compression | H.264 | |
| | Record Rate | NTSC : Up to 240ips@704 x 480 / PAL : Up to 200ips@704 x 576<br>NTSC : Up to 240ips@704 x 240 / PAL : Up to 200ips@704 x 288<br>NTSC : Up to 240ips@352 x 240 / PAL : Up to 200ips@352 x 288 | |
| | Mode | NTSC : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.9 / 1.9 / 3.8 / 7.5 / 15 / 30ips)<br>PAL : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.8 / 1.6 / 3.1 / 6.2 / 12.5 / 25ips) | |
| | Overwrite Modes | Continuous | |
| | Pre-alarm | Up to 30sec. (5, 10, 20, 30sec.) | |
| | Post-alarm | Up to 6hour. (5, 10, 20, 30sec, 1, 3, 5, 10, 2min, 1, 2, 3, 4, 5, 6hour) | |
| Search & Playback | Search Mode | Date/Time, Event, Back up, Pos, Motion (*All searching mode include prview function) | |
| | Playback Function | Fast forward / backward, Slow forward / backward, Step forward / backward | |
| Network | Transmission Speed | Up to 15 Mbps, Unlimited 4M / 2 / 1.5 / 1 Mbps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50 kbps | |
| | Bandwidth Control | Automatic | |
| | Multi Stream | H.264 (4CIF / 2CIF / CIF) | |
| | Max. Remote Users | Search 3 / Live unicast 10 / Live multicast 20 | |
| | Protocol Support | TCP/IP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP | |
| | Monitoring | Net-i viewer, Smart viewer, Web viewer | |
| Storage | Internal HDD | Up to 6 SATA HDDs | Up to 5 SATA HDDs |
| | External HDD | Up to 2 expansion bay (up to 4 HDD each) | |
| | DVD Writer (Back up) | N/A | Yes |
| | USB (Back up) | Up to 2 expansion bay (up to 4 HDD each) | |
| | File Format (Back up) | AVI, MDB (DVR play back), EXE (Include player) | |
| Security | Password Protection | 1 Admin, 10 Group , 20 User per 1 Group, User can be assigned authority for function | |
| | Data Authentication | Watermark | |
| INTERFACE | | | |
| Monitors | VGA | Analog RGB 800 x 600, 1024 x 768, 1280 x 1024 resolution | |
| | HDMI | 480p / 720p / 1080p resolution | |
| | Main Composite | BNC, 1 Vp-p, 75 ohm | |
| | Spot Composite | 1 BNC, 1 Vp-p, 75 ohm, Support multi screen and camera title | |
| | Loop Outputs | 8 | |
| Audio | Inputs | 8 Line in (Built in 4ch, Option : audio extension cable) | |
| | Output | 1 Line | |
| | Compression | ADPCM | |
| | Sampling Rate | 16KHz | |
| Alarm | Inputs | Terminal 8 inputs, NO/NC | |
| | Outputs | Terminal 4 relay outputs, NO/NC | |
| | Remote Notification | Notification via e-mail | |
| Connections | Ethernet | 1 RJ-45 10/100/1000 Base-T | |
| | Serial Interface | RS-232 | |
| | PTZ Control Interface | RS-485 | |
| | PTZ Keyboard | RS-485 | |
| | USB | USB 2.0, 3 ports | |
| | eSATA | 2 External SATA ports | |
| | Application Support | Mouse, Remote controller | |
| Communication Protocols | Supported PTZ Cameras | Samsung-E, Samsung-T, Pelco-D, Pelco-P, Panasonic, Phillips, AD DIAMOND, ERNA, KALATEL, VCLTP, VICON | |
| GENERAL | | | |
| Electrical | Input Voltage | 100 ~ 240V AC ±10%, 50/60Hz, Auto ranging | |
| | Power Consumption | Max. 55W (With 1x HDD) / Max. 65W (With 2x HDD) | |
| Environmental | Operating Temperature | +0°C ~ +40°C (+32°F ~ +104°F) | |
| | Operating Humidity | 20% ~ 85%RH | |
| Mechanical | Dimensions (WxHxD) | 440 x 88 x 430mm (17.32" x 3.46" x 16.93") | |
| | Weight (2x Hard Disks) | Approx. 7.5Kg (16.53 lb) | |
| | Rack Mount Kit | 2ea | |
| Language | | English, Korean, Spanish, French, German, Italian, Portuguese, Polish, Russian,Turkish, Japanese, Czech, Swedish, Danish, Chinese, Netherlands | |

* Design and specifications are subject to change without notice.

## Dimensions

Unit : mm (inch)



# DVR

## Samsung Security Solutions

Your source for Professional Video Surveillance Systems

SAMSUNG

# SRD-830/830D

## 8CH H.264 Digital Video Recorder

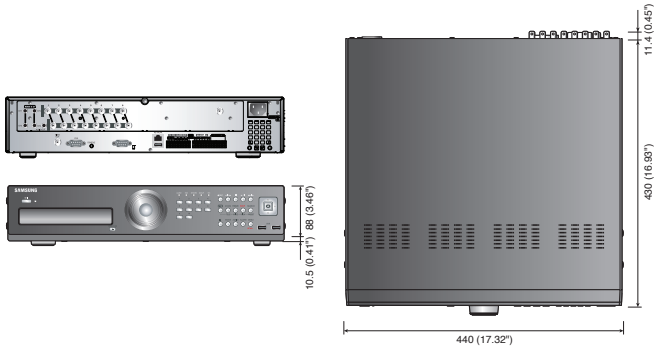
8CH | H.264 | 120ips(N) 100ips(P) | Max.6TB HDD | CMS

## Features

- 8ch DVR
- Video (H.264) / Audio (ADPCM)
- Up to 120 (NTSC) / 100 (PAL)ips recording rate
- Up to 4ch audio inputs and 1ch audio output
- Combined BNC and VGA video output for main display (up to 1280 x 1024)
- SRD-830 : MAX 6 internal HDD (HDD x 6)
  SRD-830D : MAX 5 internal HDD (HDD x 5)
- HDD & DVD SATA interface
- DDNS
- Built-in web viewer
- DVD R/W (SRD-830D)
- Event notifications by E-mail

## Dimensions

Unit : mm (inch)




## Technical Specifications

| | | SRD-830 | SRD-830D |
|---|---|---|---|
| DISPLAY | | | |
| Video | Inputs | 8 Composite video 0.5-1 Vpp, 75 ohm automatic termination | |
| | Resolution | NTSC : 704 x 480 / PAL : 704 x 576 | |
| Live | Frame Rate | NTSC : 240ips / PAL : 200ips | |
| | Resolution | NTSC : 704 x 480 / PAL : 704 x 576 | |
| | Multi Screen Display | 1 / 4 / 6 / 8 / 9 / 13 / PIP | |
| PERFORMANCE | | | |
| Operating System | Embedded | Linux | |
| Recording | Compression | H.264 | |
| | Record Rate | NTSC : Up to 30ips@704 x 480 / PAL : Up to 25ips@704 x 576<br>NTSC : Up to 60ips@704 x 240 / PAL : Up to 50ips@704 x 288<br>NTSC : Up to 120ips@352 x 240 / PAL : Up to 100ips@352 x 288 | |
| | Mode | NTSC : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.9 / 1.9 / 3.8 / 7.5 / 15ips)<br>PAL : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.8 / 1.6 / 3.1 / 6.2 / 12.5ips) | |
| | Overwrite Modes | Continuous | |
| | Pre-alarm | Up to 30sec. (5, 10, 20, 30sec.) | |
| | Post-alarm | Up to 6hour. (5, 10, 20, 30sec, 1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour) | |
| Search & Playback | Search Mode | Date/Time, Event, Back up, Pos, Motion (*All searching mode include prview function) | |
| | Playback Function | Fast forward / backward, Slow forward / backward, Step forward / backward | |
| Network | Transmission Speed | Up to 4 Mbps, Unlimited 4M / 2 / 1.5 / 1 Mbps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50 kbps | |
| | Bandwidth Control | Automatic | |
| | Multi Stream | H.264 (4CIF / 2CIF / CIF) | |
| | Max. Remote Users | Search 3 / Live unicast 10 / Live multicast 20 | |
| | Protocol Support | TCP/IP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP | |
| | Monitoring | Net-i viewer, Smart viewer, Web viewer | |
| Storage | Internal HDD | Up to 6 SATA HDDs | Up to 5 SATA HDDs |
| | External HDD | N/A | |
| | DVD Writer (Back up) | N/A | Yes |
| | USB (Back up) | 3 USB ports | |
| | File Format (Back up) | AVI, MDB (DVR Play back), EXE (Include Player) | |
| Security | Password Protection | 1 Admin, 10 Group , 20 User per 1 Group, User can be assigned authority for function | |
| | Data Authentication | Watermark | |
| INTERFACE | | | |
| Monitors | VGA | Analog RGB 800 x 600, 1024 x 768, 1280 x 1024 resolution | |
| | HDMI | N/A | |
| | Main Composite | BNC, 1 Vp-p, 75 ohm | |
| | Spot Composite | 1 BNC, 1 Vp-p, 75 ohm, Support multi screen and camera title | |
| | Loop Outputs | 8 | |
| Audio | Inputs | 4 Line in | |
| | Output | 1 Line | |
| | Compression | ADPCM | |
| | Sampling Rate | 16KHz | |
| Alarm | Inputs | Terminal 8 inputs, NO/NC | |
| | Outputs | Terminal 4 relay outputs, NO/NC | |
| | Remote Notification | Notification via e-mail | |
| Connections | Ethernet | 1 RJ-45 10/100/1000 Base-T | |
| | Serial Interface | RS-232 | |
| | PTZ Control Interface | RS-485 | |
| | PTZ Keyboard | RS-485 | |
| | USB | USB 2.0, 3 ports | |
| | eSATA | N/A | |
| | Application Support | Mouse, Remote controller | |
| Communication Protocols | Supported PTZ Cameras | Samsung-E, Samsung-T, Pelco-D, Pelco-P, Panasonic, Phillips, AD DIAMOND, ERNA, KALATEL, VCLTP, VICON | |
| GENERAL | | | |
| Electrical | Input Voltage | 100 ~ 240V AC ±10%, 50/60Hz, Auto ranging | |
| | Power Consumption | Max. 35W (With 1x HDD) / Max. 45W (With 2x HDD) | |
| Environmental | Operating Temperature | +0°C ~ +40°C (+32°F ~ +104°F) | |
| | Operating Humidity | 20% ~ 85%RH | |
| Mechanical | Dimensions (WxHxD) | 440 x 88 x 430mm (17.32" x 3.46" x 16.93") | |
| | Weight (2x Hard Disks) | Approx. 7.3Kg (16.09 lb) | |
| | Rack Mount Kit | 2ea | |
| Language | | English, Korean, Spanish, French, German, Italian, Portuguese, Polish, Russian,Turkish, Japanese, Czech, Swedish, Danish, Chinese, Netherlands | |

* Design and specifications are subject to change without notice.

# DVR

## Samsung Security Solutions

Your source for Professional Video Surveillance Systems

SAMSUNG

# SRD-470/470D

## 4CH H.264 Digital Video Recorder

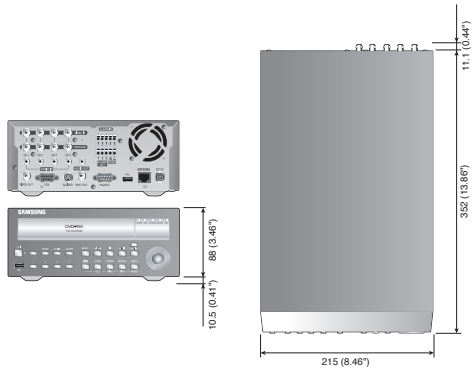
4CH | H.264 | 120ips(N) 100ips(P) | Max.2TB HDD | CMS

## Features

- 4ch CIF real-time DVR
- Video (H.264) / Audio (ADPCM)
- CIF Resolution real-time recording capability
  (Full 4CIF resolution recording support)
- Up to 4ch audio inputs and 1ch audio output
- Combined BNC and VGA video output for main display (up to 1280 x 1024)
- SRD-470 : SATA I/F HDD support (Internal Max. HDD x 2)
  SRD-470D : SATA I/F HDD support (Internal Max. HDD x 1)
- HDD & DVD SATA interface
- DDNS
- Built-in web viewer
- DVD R/W (SRD-470D)

## Dimensions

Unit : mm (inch)




## Technical Specifications

| | | SRD-470 | SRD-470D |
|---|---|---|---|
| DISPLAY | | | |
| Video | Inputs | 4 Composite video 0.5-1 Vpp, 75 ohm automatic termination | |
| | Resolution | NTSC : 704 x 480 / PAL : 704 x 576 | |
| Live | Frame Rate | NTSC : 120ips / PAL : 100ips | |
| | Resolution | NTSC : 704 x 480 / PAL : 704 x 576 | |
| | Multi Screen Display | 1 / 4 / PIP | |
| PERFORMANCE | | | |
| Operating System | Embedded | Linux | |
| Recording | Compression | H.264 | |
| | Record Rate | NTSC : Up to 120ips@704 x 480 / PAL : Up to 100ips@704 x 576<br>NTSC : Up to 120ips@704 x 240 / PAL : Up to 100ips@704 x 288<br>NTSC : Up to 120ips@352 x 240 / PAL : Up to 100ips@352 x 288 | |
| | Mode | NTSC : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.9 / 1.9 / 3.8 / 7.5 / 15 / 30ips)<br>PAL : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.8 / 1.6 / 3.1 / 6.2 / 12.5 / 25ips) | |
| | Overwrite Modes | Continuous | |
| | Pre-alarm | Up to 30sec. (5, 10, 20, 30sec.) | |
| | Post-alarm | Up to 6hour. (5, 10, 20, 30sec, 1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour) | |
| Search & Playback | Search Mode | Date/Time, Event, Back up, Pos, Motion (*All searching mode include prview function) | |
| | Playback Function | Fast forward / backward, Slow forward / backward, Step forward / backward | |
| Network | Transmission Speed | Up to 4 Mbps, Unlimited 4M / 2 / 1.5 / 1 Mbps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50 kbps | |
| | Bandwidth Control | Automatic | |
| | Multi Stream | H.264 (4CIF / 2CIF / CIF) | |
| | Max. Remote Users | Search 3 / Live unicast 10 / Live multicast 20 | |
| | Protocol Support | TCP/IP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP | |
| | Monitoring | Net-i viewer, Smart viewer, Web viewer | |
| Storage | Internal HDD | Up to 2 SATA HDDs | Up to 1 SATA HDD |
| | External HDD | N/A | |
| | DVD Writer (Back up) | N/A | Yes |
| | USB (Back up) | 3 USB Ports | |
| | File Format (Back up) | AVI, MDB (DVR play back), EXE (Include player) | |
| Security | Password Protection | 1 Admin, 10 Group, 20 User per 1 Group, User can be assigned authority for function | |
| | Data Authentication | Watermark | |
| INTERFACE | | | |
| Monitors | VGA | Analog RGB 800 x 600, 1024 x 768, 1280 x 1024 resolution | |
| | HDMI | N/A | |
| | Main Composite | BNC, 1 Vp-p, 75 ohm | |
| | Spot Composite | 1BNC, 1 Vp-p, 75 ohm, Support multi screen and camera title | |
| | Loop Outputs | 4 | |
| Audio | Inputs | 4 Line in | |
| | Output | 1 Line | |
| | Compression | ADPCM | |
| | Sampling Rate | 16KHz | |
| Alarm | Inputs | Terminal 4 inputs, NO/NC | |
| | Outputs | Terminal 4 relay outputs, NO/NC | |
| | Remote Notification | Notification via e-mail | |
| Connections | Ethernet | 1 RJ-45 10/100/1000 Base-T | |
| | Serial Interface | RS-232 | |
| | PTZ Control Interface | RS-485 | |
| | PTZ Keyboard | RS-485 | |
| | USB | USB 2.0, 2 ports | |
| | eSATA | N/A | |
| | Application Support | Mouse, Remote controller | |
| Communication Protocols | Supported PTZ Cameras | Samsung-E, Samsung-T, Pelco-D, Pelco-P, Panasonic, Phillips, AD, DIAMOND<br>ERNA, KALATEL, VCL TP, VICON | |
| GENERAL | | | |
| Electrical | Input Voltage | 100 ~ 240V AC ±10%, 50/60Hz | |
| | Power Consumption | Max. 35 W (with 1x HDD) / Max. 45W (with 2x HDD) | |
| Environmental | Operating Temperature | +0°C ~ +40°C (+32°F ~ +104°F) | |
| | Operating Humidity | 20% ~ 85%RH | |
| Mechanical | Dimensions (WxHxD) | 215 x 88 x 352 mm (8.46" x 3.46" x 13.86") | |
| | Weight (2x Hard Disks) | Approx. 4.0Kg (8.82 lb) | |
| | Rack Mount Kit | 2ea | |
| Language | | English, Korean, Spanish, French, German, Italian, Portuguese, Polish, Russian,Turkish, Japanese, Czech, Swedish, Danish, Chinese, Netherlands | |

* Design and specifications are subject to change without notice.